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(71) Applicant: FUJI ELECTRIC CO LTD  
 (72) Inventor: KIKUCHI SHUICHI

## (54) OVERLOAD PROTECTION DEVICE FOR SWITCH

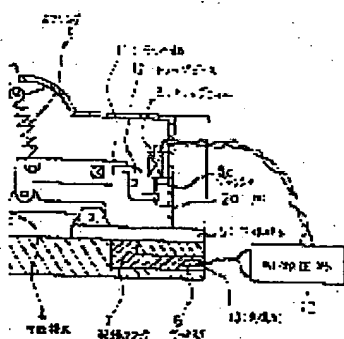
(57) Abstract

has a circuit construction with no mechanically moving portion. As a result, overload pickup current can be regulated with the resulting enhanced vibration resistance and impact resistance.

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**PURPOSE:** To ensure effective implementation of overload protection by installing a non-mechanical thermosensitive element enclosed in an insulating body having a high rate of thermal conductivity close to a main circuit conductor and controlling circuit breaking through detection output of the thermosensitive element.

**CONSTITUTION:** A thermistor 6 that senses temperature without any mechanical action is embedded in an insulation block 7 with high rate of thermal conductivity, and is installed close to a main circuit and separately from a frame 1 on which an upper terminal 2 and a





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